Robot Vacuum
user manual

✻ Before operating this unit, please read the instructions carefully.
✻ For indoor use only.

English

imagine the possibilities

Thank you for purchasing a Samsung product.

Samsung
Smart Home

SAMSUNG

Safety information

SAFETY INFORMATION

WARNING • Before operating the appliance, please read this manual thoroughly and retain it for your reference.

WARNING • Because these following operating instructions cover various models, the characteristics of your vacuum cleaner may differ slightly from those described in this manual.

CAUTION/WARNING SYMBOLS USED

WARNING	Indicates that a danger of death or serious injury exists.
CAUTION	Indicates that a risk of personal injury or material damage exists.

OTHER SYMBOLS USED

NOTE	Indicates that a risk of personal injury or material damage exists.
Samsung Smart Home	This Smart Robot vacuum supports from Samsung Smart Home. More detailed information, please visit Samsung.com/Smarthome.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING YOUR Robot vacuum.

Unplug from outlet when not in use and before conducting maintenance.

WARNING: to reduce the risk of fire, electric shock, or injury:

GENERAL

- Use only as described in this manual.
- Do not operate the Robot vacuum or charger if it has been damaged in any way.
- If the cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped in water, return it to a customer care center.
- Do not handle the charger or Robot vacuum with wet hands.
- Use only on dry, indoor surfaces.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

BATTERY CHARGER

- Do not modify the polarized plug to fit a non-polarized outlet or extension cord.
- Do not use outdoors or on wet surfaces.
- Unplug the charger from the outlet when not in use and before servicing.
- Use only the charger supplied by the manufacturer to recharge.
- Do not use with a damaged cord or plug.
- Do not pull or carry by the cord, use the cord as a handle, close the door on the cord, or pull the cord around sharp edges or corners. Keep the cord away from heated surfaces.
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
- Do not mutilate or incinerate batteries as they will explode at high temperatures.
- Do not attempt to open the charger. Repairs should only be carried out by a qualified customer care centre.
- Do not expose the charger to high temperatures or allow moisture or humidity of any kind to come into contact with the charger.

safety information

Robot vacuum

- Do not pick up hard or sharp objects such as glass, nails, screws, coins, and etc.
- Do not use without a filter in place. When servicing the unit, never put fingers or other objects into the fan chamber in case the unit accidentally turns on.
- Do not put any objects into openings. Do not use with any openings blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
- Do not pick up toxic materials (chlorine bleach, ammonia, drain cleaner, etc.).
- Do not pick up anything that is burning or smoke, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids such as gasoline, nor use on areas where they may be present.
- Do not use Robot vacuum in an enclosed space filled with vapours given off by oil based paint, paint thinner, moth proofing substances, flammable dust, or other explosive or toxic vapours.
- Leaks from battery cells can occur under extreme usage or temperature conditions. If the liquid gets on skin, wash quickly with water. If the liquid gets into the eyes, flush them immediately with clean water for a minimum of 10 minutes. Seek medical attention.

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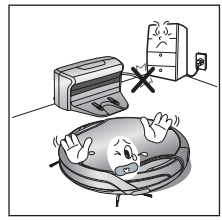
Safety information

POWER RELATED

WARNING

Do not bend the power cord forcefully or place a heavy object on it that could break it.

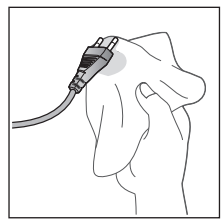
- This may result in fire or electric shock.



WARNING

Make sure to remove any dust or water from the power plug.

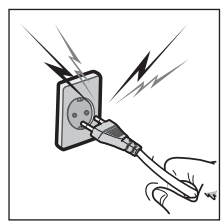
- Failing to do so may result in a malfunction or electric shock.



WARNING

Do not pull the power plug by the cord or touch the plug with wet hands.

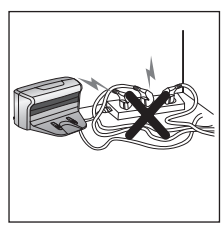
- This may result in fire or electric shock.



WARNING

Do not use multiple plugs in a single socket.
(Do not leave the cord lying exposed on the floor.)

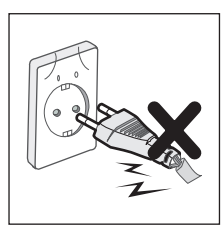
- This may result in fire or electric shock.



WARNING

Do not use a damaged power cord, plug, or a loose power outlet.

- This may result in fire or electric shock.

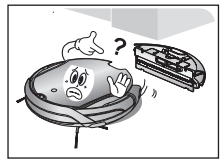


BEFORE USE

CAUTION

Before activating the Robot vacuum, make sure that the dust bin is assembled.

- If the dust bin is not inserted, Robot vacuum will not operate.



CAUTION

Never use Robot vacuum in locations with combustible material such as.

- Locations with candles or desk lamps on the floor.
- Locations with unattended fires (fire or embers).
- Locations with gasoline, distilled alcohol, thinner, ashtrays with burning cigarettes, etc.

CAUTION

Robot vacuum is for domestic use only. Do not use it in the following locations.

- Attics, basements, warehouses, industrial buildings, separate rooms distant from the main building, locations exposed to wet or damp conditions such as bathrooms or wash rooms, and narrow and highly situated locations such as tables or shelves. Critical damage (abnormal operation and breakage) may occur when used in these locations.

CAUTION

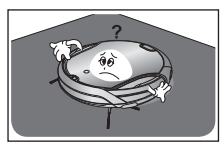
Open all doors to clean all rooms.

- When a door is closed, the Robot vacuum will not be able to enter that room.
- However, make sure to close the doors to the main entrance, the veranda and the bathroom, and any other rooms where the Robot vacuum may fall to a lower floor.

CAUTION

Do not use the cleaner on a black floor.

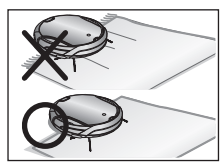
- The Robot vacuum may not run normally in this case.



CAUTION

For carpets with long tassels, fold the tassels under the carpet.

- Unfolded tassels may result in critical damage to the carpet and the machine itself, as they get caught in the driving wheel or the power brush.

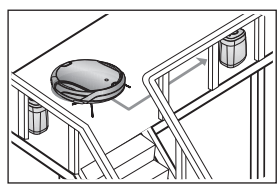


CAUTION

When the cliff sensor is polluted, the Robot vacuum may be in danger of falling down the stairs.

This may cause personal injury and critical damage to the product.

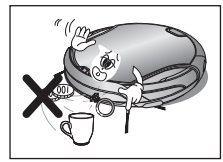
To prevent risk, install the VIRTUAL GUARDs (Fence Mode setting) in front of dagerous areas. Clean the sensor window and camera.



CAUTION

Remove small objects or brittle items from the area to be cleaned in advance.

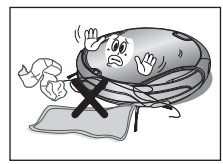
- Make sure to clear any objects before cleaning.
- Make sure to remove fragile items such as china, glass objects, flowerpots, etc.
- Robot vacuum does not recognize coins, rings or other valuable items such as jewelry.



CAUTION

Remove objects scattered on the floor before cleaning.

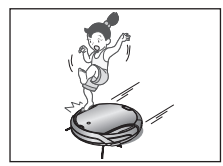
- Robot vacuum is designed to detect obstacles 5cm away from it.
- Bath towels, pads in front of bathrooms and sinks, entrances, utility rooms, power cords, table cloths or belts can become entangled in the driving wheel or power brush. This can cause objects to fall from the table.



CAUTION

Inform all family members (or relevant parties) to be cautious before cleaning or when using the Scheduled Cleaning Mode.

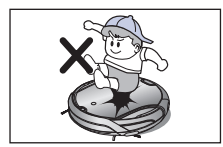
- Robot vacuum may run into children, causing them to fall.



CAUTION

Ensure that children do not step or sit on the Robot vacuum.

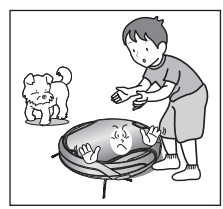
- Children may fall and injure themselves or critical damage may occur to the product.



CAUTION

When a child or pet is left alone, make sure to turn off the Power Switch of the Robot vacuum.

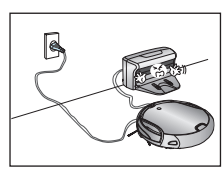
- Robot vacuum may attract their attention.
- When the rotating wheel or brush catches fingers, feet, clothing or hair, this may result in injury.
- If a child or pet is in the way of the Robot vacuum, it may be identified as an obstacle and the area may not cleaned.
- When the Power Switch is turned off, it will cut off the power supply and deactivate all functions.



CAUTION

When installing the charger station, do not leave the power cord exposed on the floor.

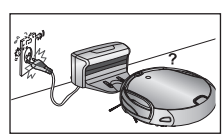
- When the Robot vacuum automatically recharges or passes by the charger station, it may drag the power cord around with it.



CAUTION

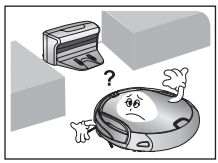
Always keep the power cord of the charger plugged into the outlet.

- Although the Robot vacuum has a self-charging function, if the power cord of the Charger (station) is unplugged, it cannot charge its battery automatically.



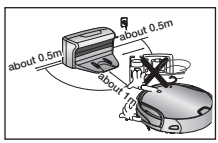
⚠ CAUTION **Install the Charger (station) in a location that can be easily accessed by the Robot vacuum.**

- If the charger is installed in a corner, this may cause extra movements and may disturb the automatic recharging process.

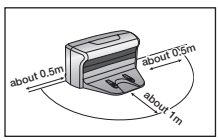


⚠ CAUTION **Objects in front of the Charger (station) will prevent the Robot vacuum from auto-charging itself.**

- Clear the area.

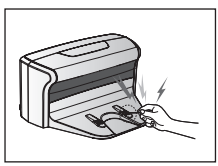


⚠ WARNING **There should be no obstacles and cliffs 0.5m to the left and right and within 1m of the front.**



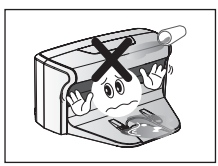
⚠ WARNING **Do not short-circuit the charge pins with metal objects such as chopsticks, screwdrivers, and etc.**

- This will result in critical damage to the charger.



⚠ WARNING **Make sure that there is no trace of liquids on the Charger (station).**

- Failing to do so may result in fire or electric shock.



⚠ WARNING **Make sure the Robot vacuum does not vacuum or move over liquids such as water, oil or pet litter.**

- This may result in critical damage to the product.
- Liquids may spread through the wheels resulting in contamination.

⚠ WARNING **Do not use the Charger (station) for other purposes.**

- This may result in critical damage to the charger or cause a fire.

⚠ WARNING **Do not install the Charger (station) on a dark floor.**

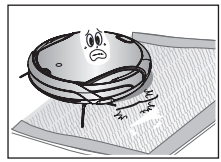
- If the floor where the charger station is installed is dark, it is hard for the Robot vacuum to return to it.

IN USE

CAUTION

You cannot use the Robot vacuum on thick carpets.

- This may result in problems with the Robot vacuum.
- This may result in damage to carpets.



CAUTION

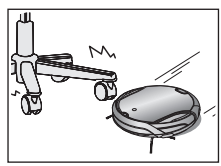
Do not use the Robot vacuum on a table or other high locations.

- This may result in damage when the unit accidentally drops.

CAUTION

Robot vacuum may bump into furniture such as chair legs, table legs, thin and long furniture, etc. while operating.

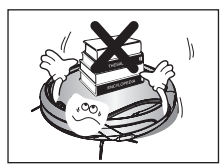
- For a quicker and cleaner performance, place the chairs on top of the table.



CAUTION

Do not place any objects on top of the Robot vacuum.

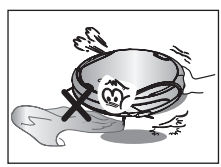
- This may result in malfunction.



CAUTION

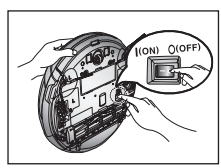
Immediately remove any large pieces of paper or plastic bags from the machine while cleaning.

- Using the machine for an extended period of time with its inlet port obstructed may result in critical damage to the product.



WARNING

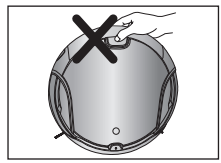
If an unusual sound, smell or smoke is emitted from the Robot vacuum, immediately turn off the Power Switch and call the customer care center.



CAUTION

Do not move the robotic vacuum cleaner holding the dustbin part.

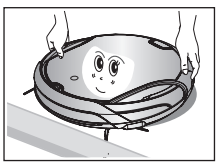
- This may cause the dustbin to separate, resulting in injury or serious damage to the product.



NOTE

Robot vacuum may not be able to continue its operation if it is stuck at the entrance or veranda doorsill.

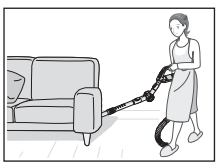
- To resume operating, turn the Power Switch off and then on again after moving it to a location where it can continue cleaning.



NOTE

Robot vacuum cannot completely clean locations that it cannot reach, such as corners, and spaces between sofas and walls.

- Please clean these locations occasionally.



NOTE

Dust clusters may remain after cleaning, when the Robot vacuum fails to pick up dust clusters that were formed while cleaning.

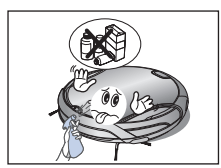
- In this case, sweep up the dust with another cleaning tool.

CLEANING AND MAINTENANCE

CAUTION

When cleaning the product, do not spray water directly onto the exterior or wipe it with a volatile material such as benzene, thinner or alcohol.

- This may result in critical damage to the product.



CAUTION

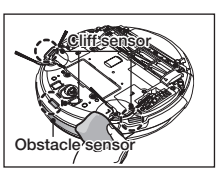
The unit must not be disassembled or reconstructed by anyone other than a qualified service engineer.

- This may result in damage to the product.

WARNING

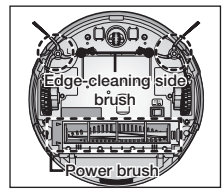
Remove any foreign substances accumulated on the Obstacle and Cliff sensors on a regular basis.

- Dirt accumulated on the sensors will result in inaccurate functioning of the sensors.



⚠ WARNING **When removing foreign substances, always use the cleaning brush after turning the Power Switch off.**

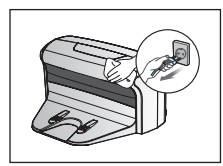
- Failing to do so may result in sudden operation of the unit and cause an injury or critical damage to the product.



⚠ WARNING **If the power cord is damaged, have it replaced by a qualified service engineer from the customer care center.**

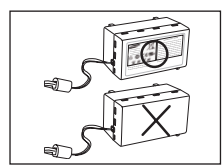
- Failing to do so may result in fire or electric shock.

⚠ WARNING **Before cleaning the Charger (station), make sure to disconnect the power cord for safety.**



⚠ WARNING **Contact the Samsung Electronics customer care center to replace the battery.**

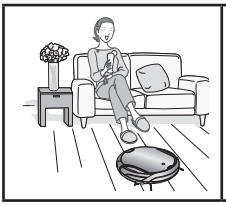
- Failing to use original batteries will result in product failure.

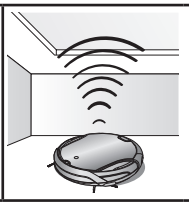


Product features

CONVENIENT VIRTUAL GUARD FUNCTION

You can confine the Robot vacuum to a particular section by using the Fence (virtual wall) mode.





- **What is ceiling shape recognition (Visionary mapping plus™)?**

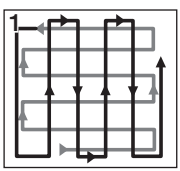
This function recognizes the shape of the ceiling using the camera on top to identify the area to be cleaned and determines the best way to pass over and clean every section of the floor.

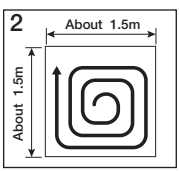
DELICATE CLEANING OF EVERY CORNER

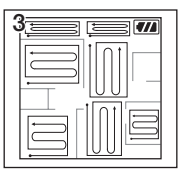
Since the Robot vacuum cleans the floor in a sequential way ( ) along the map determined by the ceiling shape recognition function, it cleans every corner of the floor.

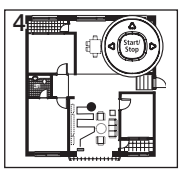
VARIOUS CLEANING MODES

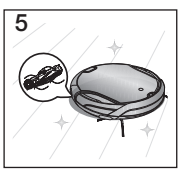
Various cleaning modes are provided to meet all your needs.

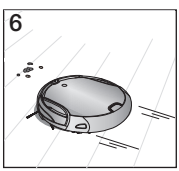


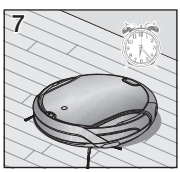


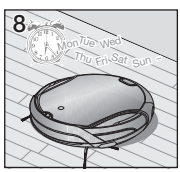






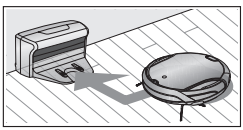






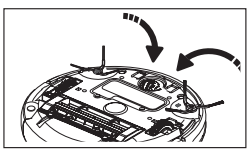
1. **Auto Mode :** Cleans all rooms automatically.
2. **Spot Mode :** Cleans a localized area intensely. It can be used to clean bread or cookie crumbs.
3. **Max Mode :** Runs until the battery is nearly depleted.
4. **Manual Mode :** You can clean the floor manually by moving the Robot Vacuum.
5. **Turbo Mode :** Since the power brush rotates at maximum speed in this mode, the product will clean more effectively.(You can switch the mode with the remote control.)
6. **Dust Sensor Mode :** When dust enters the vacuum cleaner, the vacuum cleanin robot starts to clean its surroundings intensively. (You can operate this with the remote control.)
7. **Timer Mode :** At the specified time, the Robot Vacuum cleans the floor.
8. **Daily Cleaning Mode :** The Robot Vacuum cleans the fl oor everyday at the specified time.

AUTO CHARGING



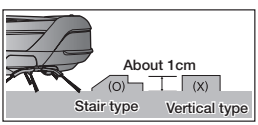
When the battery is low, the Robot vacuum is automatically guided to the Charger (station) to enable it to perform a quick auto charge.

EDGE-CLEANING SIDE ROTATING BRUSH



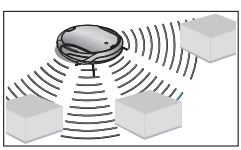
The edge-cleaning side rotating brush cleans dust from the edges.

DOORSILL CROSSING



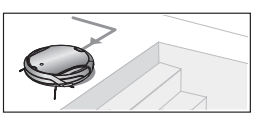
The Robot vacuum innovative driving system makes it possible for it to cross over doorsills with a height of about 1cm and clean all rooms. The Robot vacuum may not be able to pass a 1cm doorsill depending on the shape of the doorsill.

AVOIDING OBSTACLES



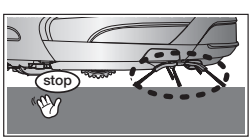
When the Robot vacuum encounters an obstacle while cleaning, the obstacle sensor allows the cleaner to avoid it and continue cleaning. (It may happen that the cleaner touches thin or fine obstacles.)

ANTI-FALLING



The 3 Cliff sensors detect downward steps such as stairs or the front door threshold to prevent Robot vacuum from falling down stairs.

SAFETY DEVICE



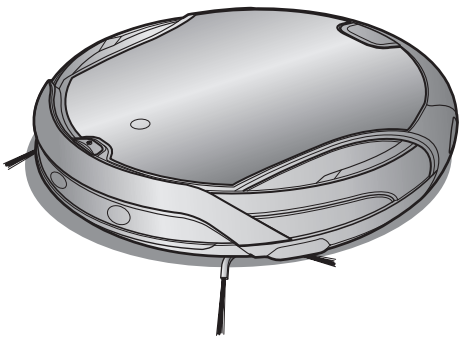
When the Robot vacuum is lifted up while cleaning, the driving wheels, power brush, suction motor, and side rotating brush are stopped automatically by sensor.

WIFI REMOTE CONTROL

You can control and monitor the status of the Robot Vacuum cleaner even outside your home. Please refer to the SAMSUNG Smart Home Manual.

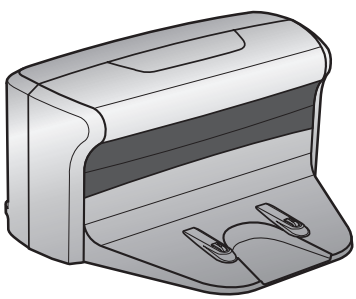
Assembling the cleaner

COMPONENTS



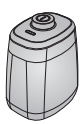
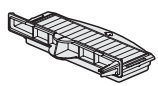
■ Main Body

■ Remote Control



■ Charger (Station)

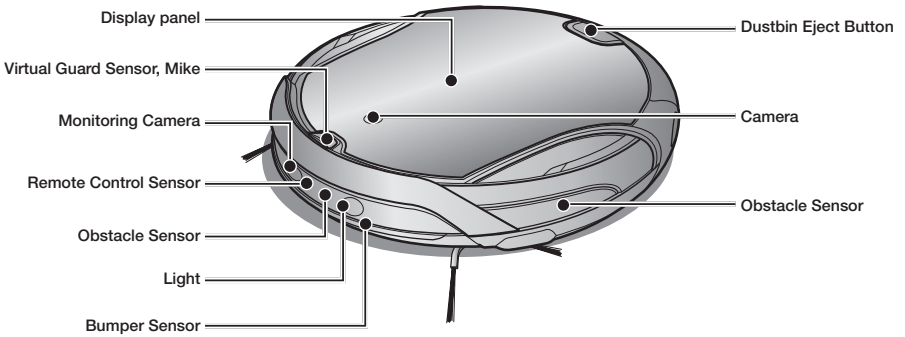
■ Others Components

(AAA-Type Batteries)				
User Manual / 2 Battery	**VIRTUAL GUARD**	**Spare Filter**	**Cleaning Brush**	**Quick Start Guide**

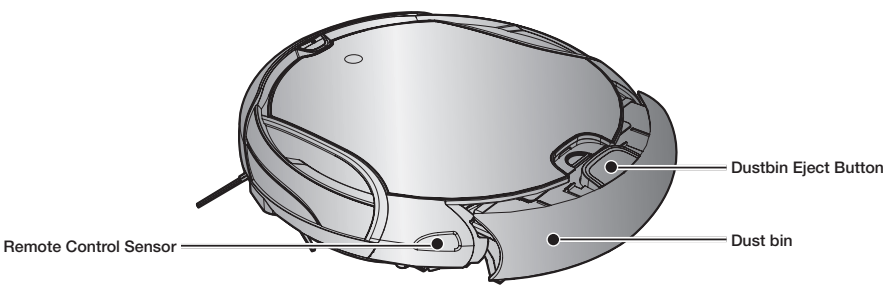
❊ Mesh and Sponge filters are not included in spare filters.

NAME OF EACH PART

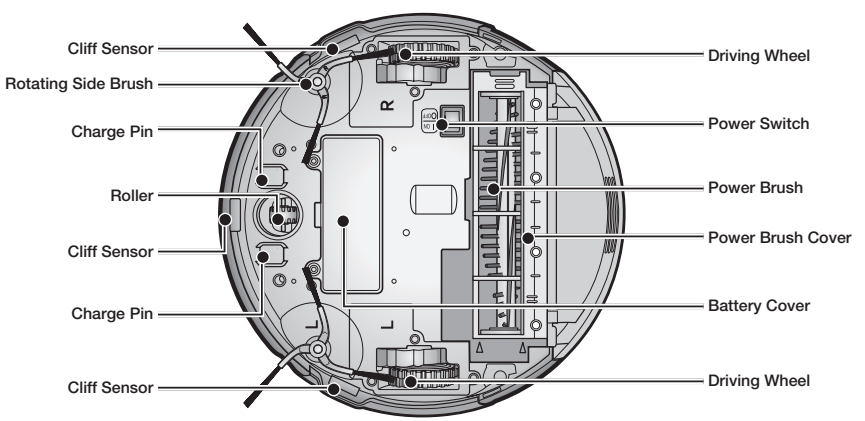
■ Main unit



Front

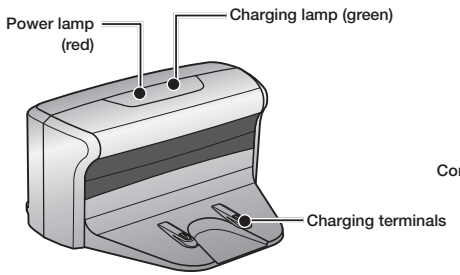


Side

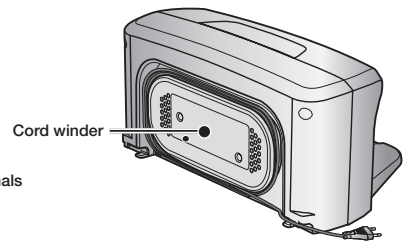


Bottom

■ Charger (Station)

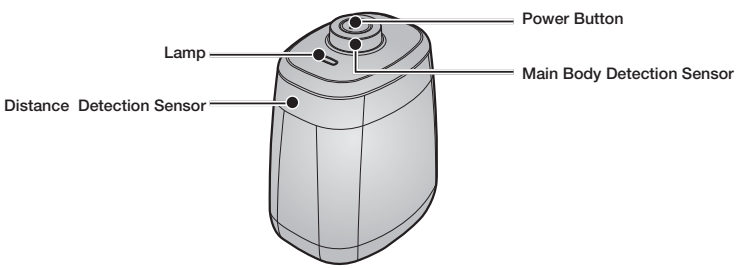


Front



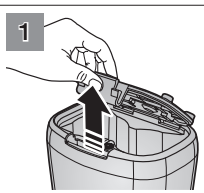
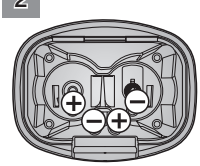
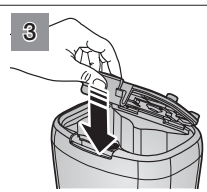
Back

■ VIRTUAL GUARD



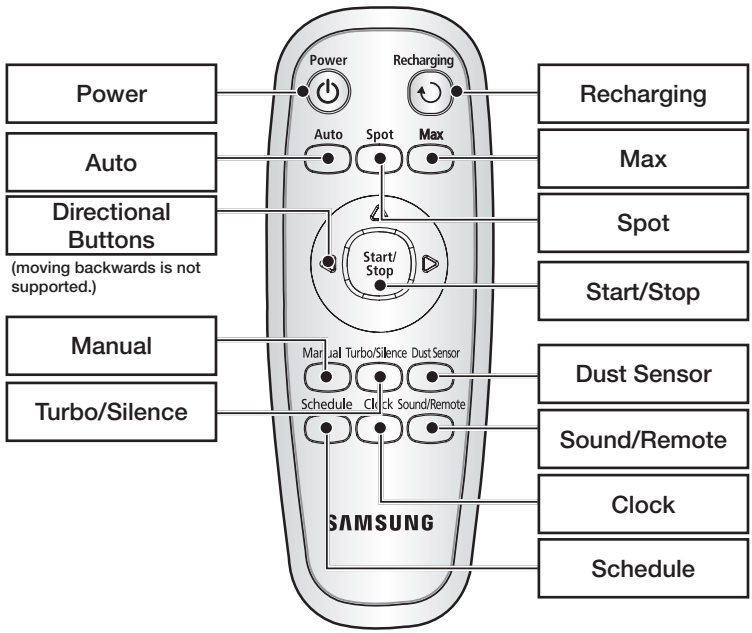
■ Installing the batteries

Batteries are not supplied with the product. You have to purchase the batteries separately. Install the batteries (type D) before use.

1	2	3
		
Lift the cover of the VIRTUAL GUARD while pressing the locking tab.	Install the batteries into the VIRTUAL GUARD as shown by the figure below. (If the batteries are installed with the incorrect polarity, the VIRTUAL GUARD will not work.)	After inserting the tip of the cover into the slot, push the other end to close it until it clicks into place.

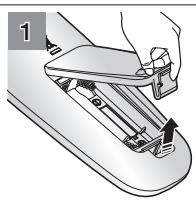
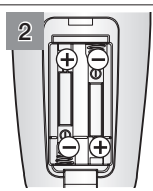
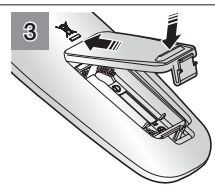
❊ Specification: Type D (LR20) batteries

■ Remote Control



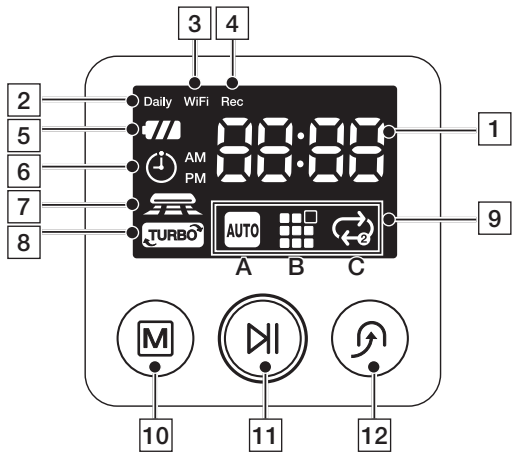
■ Installing the Remote Control Batteries

Batteries are not installed in the remote control when purchasing the product.
Install the batteries (type AAA) before use.

1	2	3
		
Lift the battery compartment cover at the back of the remote control, while pressing the locking tab.	Install the batteries into the remote control as shown by the figure below. (If the batteries are installed with the wrong polarity, the remote control will not work.)	After inserting the tip of the cover into the slot, push the other end to close it until it clicks into place.

❊ Specification: AAA type batteries

■ Display panel



DISPLAY PART

1. **Number Display :** Shows the timer display, progress status, and error codes using numbers, letters and graphics.
2. **Daily :** When daily cleaning is scheduled, the Daily icon is lit.
3. **Wi-Fi :** Each time you press the Remote Control button of the remote control, the setting gets done in the order of release of remote control and execution of remote control.
4. **Rec :** This is a signal notifying that image is in use.

Display Icon	Wi-Fi	Rec
Block off access	Off	Off
Permission access	On	Off
Connection to Wireless router	Flicker slowly	Off
Connection to Home View	Flicker fast	On

5. **Battery Level Indicator**
- Charging : Shows the charging progress in 3 steps.
- In Use : Shows the battery charge level.
  The battery charge level is reduced by each level from FULL while operating.
  (When the battery is fully discharged, one level will flash to display “Lo”.)

6. **Timer :** When cleaning is scheduled, the Timer icon is lit.
7. **Dust Sensor Mode :** This icon turns on when Dust Sensor mode is enabled.
8. **Turbo Mode :** This icon turns on when Turbo mode is enabled.

9. Cleaning Mode Display

- Each time the Cleaning Mode button is pressed, the corresponding cleaning mode is displayed.
  (A) Auto Mode : This icon turns on when Auto cleaning mode is selected.
  (B) Spot Mode : This icon turns on when Spot cleaning mode is selected.
  (C) Max Mode : This icon turns on when Max cleaning mode is selected.

BUTTON PART

10. Cleaning Mode : Press to select a cleaning mode.
After selecting a cleaning mode, press the (⏯) button to start cleaning.

11. Start/Stop : Press to start/stop cleaning.

12. Recharging : When this button is pressed, The Robot Vacuum will return to the charger station to charge its battery.

Operating the cleaner

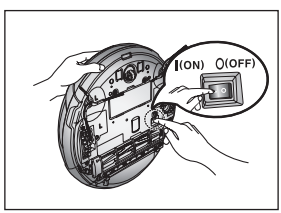
INSTALLING THE ROBOT VACUUM

Installation order

1. **Turning the Power Switch on or off**
   To use the Robot vacuum, you must turn on the Power Switch at the bottom of the main unit.
2. **Installing the Charger (station)**
   To charge the Robot vacuum, you must first install the charger.
   Since the battery is discharged when the product is purchased, you must fully charge the battery before use.
3. **Charging the Battery**
   You should charge the battery completely before using the Robot vacuum.
4. **Setting the Time**
   You should set the time to use the Timer reservation and daily cleaning options.
5. **Installing the VIRTUAL GUARD**
   You can confine the Robot vacuum to a particular section by using Fence (virtual wall) mode.
6. **Installing the Samsung Smart Home Application**
   To use Home View, you must install Samsung Smart Home application and registering the Robot vacuum.

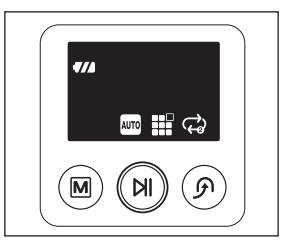
Turning the Power Switch on or off

To use the Robot vacuum, you must turn the Power Switch on.
If you turn off the Power switch, all settings except for the current time and the Daily reservations are reset.



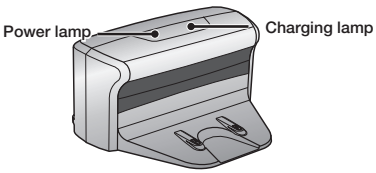
1. **Lift the body and turn on the power switch while making sure not to press any other button.**

- If the icons are not turned on, it indicates that the battery charge is depleted. In this case, dock the Robot vacuum to the charger station after turning the Power Switch on.
- The configured time may be different from the current time. If the configure time is incorrect, set the time to the current time.

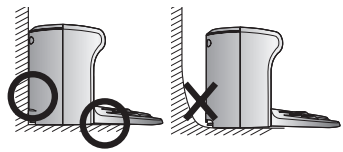


CAUTION If the Power Switch is turned off, the Robot vacuum will not be charged even if it is docked with the Charger (station).

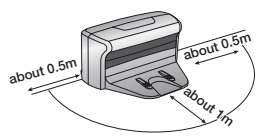
Installing the Charger (station)



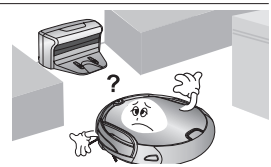
1. Install the charger on a flat surface.



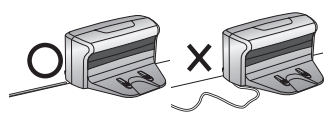
2. There should be no obstacles and cliffs 0.5m to the left and right and within 1 m of the front.



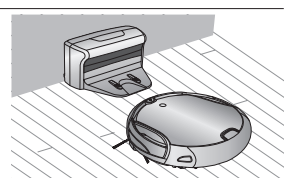
3. Install the Charger (station) in a location where it can be easily accessed by the Robot vacuum.



4. Arrange the power cord along the wall.



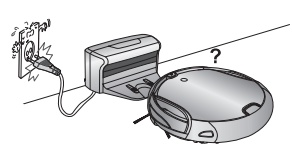
5. When the floor is made of wood, install the Charger (station) in the same direction as the grain of the wood.



NOTE

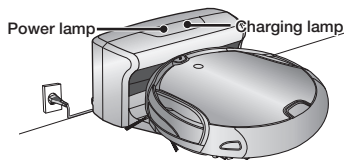
Always keep the power cord of the Charger (station) plugged into the power outlet.

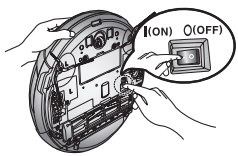
- If no power is supplied to the charger, the Robot vacuum will not be able to find the charger and will not be able to charge automatically.
- If the Robot vacuum is separated from the charger, the battery is automatically discharged.



Charging

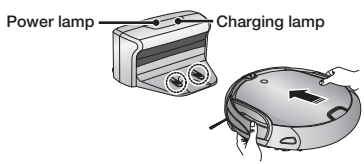
When the product is initially purchased, the battery is fully discharged, and you must Charger (station) the Robot vacuum manually.



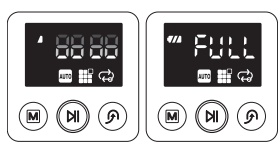


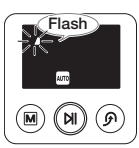
Turn on the Power Switch at the bottom of the product.

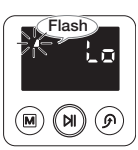
1. After aligning the Charger (station) pins of the main unit with the Charger (station) pin of the Charger (station), press the main unit until you hear "recharging is now starting" sound.
- The Charging Lamp turns green.



2. Check the Charger (station) status of the Robot vacuum.
- When charging starts, "the amount of remaining battery power" and " 88:88 " are displayed on the status display panel in this sequence.
- When charging is complete, the battery level indicator and "FULL" will be displayed in the display panel.







- When the battery level display flashes while cleaning, the Robot vacuum stops vacuuming and automatically charges itself at the charger.
- If the Robot vacuum starts the current cleaning run at a location other than the charging station and fails to locate the charging station while cleaning, it will stop near the location where it started cleaning.
- When the battery level flashes and "Lo" is displayed while cleaning, Robot vacuum cannot be operated by the remote control or the buttons on the main unit. In this case, directly carry the Robot vacuum to the charger to charge the battery. (This is when the battery is completely discharged.)

<Charge display>

Charge complete | Charging | Required charging

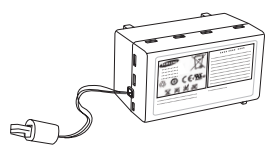
NOTE

- When the product is initially purchased, it will take about 180 minutes to fully charge the battery and will run for about 90 minutes. (Normal Mode / On the basis of hard floor)
- When charging the battery while the battery is over-heated, the charging time can increase.
- Measures to take when charging is not smooth.
  When the Robot vacuum cannot be automatically charged, check the following:
  - Turn the Power Switch at the bottom of the Robot vacuum off and on.
  - Re-plug the power of the charger.
  - Check whether there are any foreign substances on the Charger (station) connector and wipe the charge connector on the main unit and the Charger (station) with a dry cloth.
  - Check whether there are objects near the Charger (station) that are strong reflectors.
- When separating the Robot vacuum from the Charger (station), it will discharge naturally.
  - Charge the Robot vacuum through the Charger (station), if possible.
    (When leaving your home unattended for a long period of time due to a business trip, travelling etc., turn off the Power Switch of the Robot vacuum and unplug the power of the Charger (station) to store them.)

About the Battery

■ The Robot vacuum is powered by an environment-friendly Lithuim-ion (Li-ion)rechargeable battery, and an over-charge prevention function guarantees an extended life time.

■ When purchasing a battery, ask the customer care center for the genuine part symbol (SAMSUNG) and model number before purchasing it.



- This battery is only for Samsung Robot vacuum. It is strictly prohibited to use it for other appliances or for other purposes.
- Do not disassemble or modify the battery.
- Charge it in a location with good ventilation.
- Do not expose the battery to fire and do not heat it.
- Do not connect any metallic objects to the (+) or (-) terminals of the battery.
- Keep it indoors (0°C~40°C).
- Before you discard product, dispose of batteries in an environmentally safe manner.
- Do not discard this batteries with your regular household trash.
- Follow all local regulations when disposing of old batteries.

❊ If the battery is out of order, do not disassemble it. Contact your nearest customer care center.

❊ An increased charging time and a shorter battery life indicates the near end of the battery life. Please contact an authorized customer care center to replace your battery.

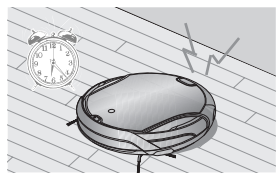
❊ The battery warranty period is 6 months from the date of purchase.

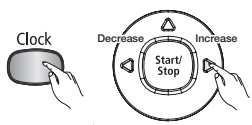
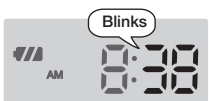
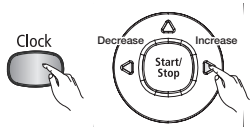
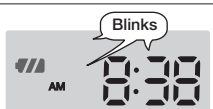
The rechargeable battery incorporated in this product is not user replaceable.
For information on its replacement, please contact your service provider.

Setting the Time

The clock displays the current time. You can change the current time with the following steps.

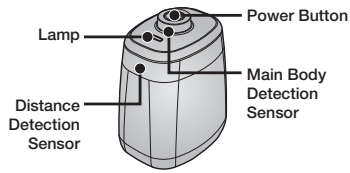
■ You can only set the time using the remote control.

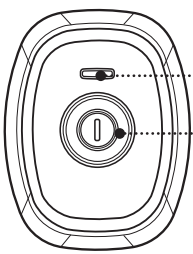


	Remote Control	Configuration Sequence
		1. Press the Clock button. - The current time is displayed.
		**2.** Press the Clock button. Press the ◁ or ▷ button to set the hour.
		**3.** Press the Clock button. Press the ◁ or ▷ button to set the minutes.
		**4.** Press the Clock button. - The value you set will blink and the settings are completed.
Canceling the Settings	- Press the Start/Stop button to cancel the settings and exit Time Set mode.	
Remote Control	- If there is no input for 1 minute while you are setting the time, the cleaner exits Time Set mode automatically.	

Installing the VIRTUAL GUARD

You can confine the Robot vacuum to a particular section by using Fence (virtual wall) mode.





Button operations

1. Lamp operations

- Fence (virtual wall) Mode: The red lamp flashes.
- Off :The lamp is turned off.

2. Turn the Power Button on

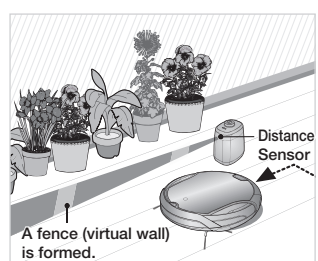
- Whenever you press the Power button, Fence (virtual wall) mode → Power off is selected in this sequence.

❉ The distance of virtual wall is 2.5m at minimum and may differ depending on surroundings and movement status of the robot.

Forming a Fence (virtual wall)

VIRTUAL GUARD creates an invisible barrier that the Robot vacuum cannot cross.

E.g. in front of pots, furniture, the front door, and so on.



1. Turn the Fence (virtual wall) mode on using the Power button.

- The mode lamp flashes red.

2. Install the VIRTUAL GUARD in front of the area you want to block access from the Robot vacuum.

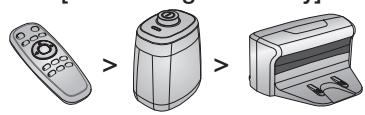
- Install the VIRTUAL GUARD so that the distance detection sensor can form an invisible barrier that the Robot vacuum cannot cross.

About the IrDA sensor

CAUTION

- The infrared signal transmission may not be smooth in locations exposed to halogen lamps or in outdoor locations.
- Robot vacuum uses 3 types of infrared devices and a device may not work in front of another device with a higher priority.
- When controlling the Robot vacuum with the remote control, the Robot vacuum may cross the virtual fence of the VIRTUAL GUARD or run against an obstacle, because the remote control signal has a higher priority than the VIRTUAL GUARD signal.
- When using the Robot vacuum in a small location or at a close distance, it may malfunction due to interference of the infrared signals.
- Install the VIRTUAL GUARD away from the charger as auto charging may be interrupted if the VIRTUAL GUARD is near the charger.
- If more than one Robot vacuum is used simultaneously, they may malfunction due to interference of the infrared signals.

[Infrared Signal Priority]



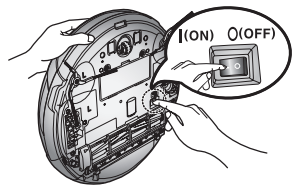
Remote Control > Virtual guard > Charger (Station)

USING THE ROBOT VACUUM

Starting/Stopping Cleaning

You can run or stop all Robot vacuum functions.

- Each Robot vacuum function only runs when the Power Switch is turned on.
- When the Robot vacuum is operating, press the (⏯) button to cancel the operation and select a function.



Turning the power on or off

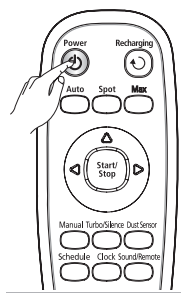
Turning the power on

- Main unit: Press the (⏯) button.

Turning the power off

- Remote control: Press the **[Power]** button.
- Main unit: Press and hold the (⏯) button down for 3 seconds.

❉ If it is left idle for about 15 minutes in the Image Standby mode, then it returns to Charging mode automatically in order to save battery power. Please make sure that the robot is docked with the charging station after every use.



Using the remote control

Starting or stopping cleaning

Starting

- Remote control : Press the Auto, Spot, Max, Manual button.
- Main unit : Select Auto, Spot, Max mode by using the (Ⓜ) button and then pressing the (⏯) button.
- When cleaning begins, the Robot vacuum starts to move.

❉ Pressing the (⏯) button without selecting cleaning mode starts to perform the Auto mode cleaning.

Stopping

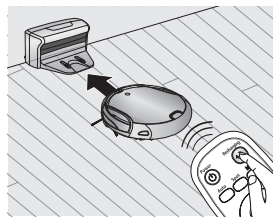
- To stop, press the (⏯) remote control or main unit button.
- When cleaning is stopped, the Robot vacuum stops.

Using the main unit buttons

Recharging

You can have the Robot vacuum return to the Charger (Station) to charge the battery by using the Recharging button.

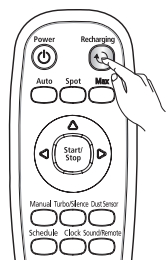
■ When the Robot vacuum is operating, press the (⏯) button to cancel the operation and press the Recharging button.



1. Press the Recharging button.
- (" C3C3 ") is displayed on the display panel and the Robot vacuum returns to the charging station for recharging.

2. To stop the Robot vacuum while it is returning to the Charger (Station), press the (⏯) button.

3. To test the auto charge function, press the Recharging button when the Robot vacuum is less than 1.5m from the Charger (Station).



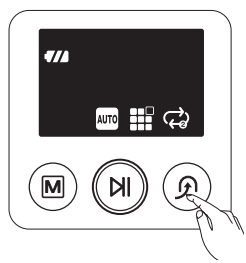
Using the remote control

Troubleshooting when the Robot vacuum does not return to Charger (Station).

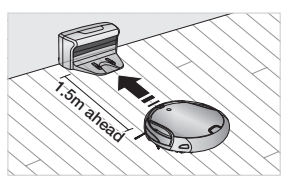
- Check the installation of Charger (Station).
- When the charger is in a location where the charger cannot guide the Robot vacuum to Charger (Station)
- When the charger is more than 5m away from Robot vacuum.
  : It may require a longer time for the Robot vacuum to return to Charger (Station).

■ Manually charge the Robot vacuum in the following cases.

- When the charger is installed in a corner.
- When the battery is fully discharged.
- When the Robot vacuum is trapped by an obstacle (furniture etc.)
- When the Robot vacuum cannot pass over the doorsill to the location where the Charger (Station) is installed.

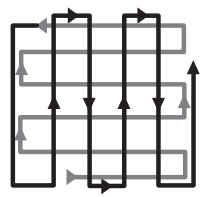


Using the main unit buttons



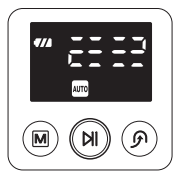
Auto Cleaning

The Robot vacuum will move by itself and automatically clean the house until cleaning is completed once.

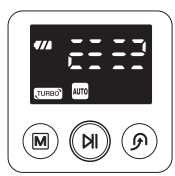


- If you press the Start/Stop button on the main unit or remote control without selecting a cleaning mode, an automatic cleaning run starts.
- If cleaning begins when the Robot vacuum is docked with the Charger (Station), the time to return to the Charger (Station) is decreased since the Robot vacuum remembers its original position while moving.
- If the Robot vacuum starts the current cleaning run at a location other than the Charger (Station) and fails to locate the Charger (Station) while cleaning, it will stop near the location where it started cleaning.
- If the battery level becomes too low while cleaning, the Robot vacuum will automatically return to the Charger (Station) and resume cleaning after charging its battery. (Number of cleaning operations resumed : Once)

Main unit button	Remote control button	Configuration Sequence
		1. Set the mode.
		2. Cancel the mode.



Normal Mode



Turbo Mode

Dust Sensor Mode

Cleaning Complete

About the Resume Cleaning function

NOTE

- If the Robot vacuum has evaluated that cleaning is complete, the resume cleaning function is not performed.
- If you move the Robot vacuum when it is being charged or press a button, the Robot vacuum judges cleaning to be complete and does not resume cleaning.

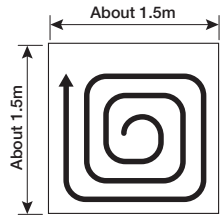
CAUTION

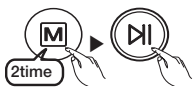
- Do not move the Robot vacuum when it is cleaning or press a button while it is cleaning. Otherwise, the Robot vacuum judges cleaning to be complete and starts cleaning again from the beginning.
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

Spot Cleaning

You can conveniently clean a specific area that has a a lot of cookie crumbs, dust, and etc.

■ Move the Robot vacuum to the location where you want to perform a spot clean.

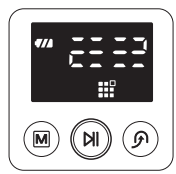


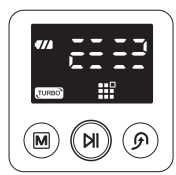
Main unit button	Remote control button	Configuration Sequence
		**1.** Set the mode.
		2. Cancel the mode.

- In Spot cleaning mode, the Robot vacuum cleans an area with a length of 1.5m and a width of 1.5m.
- When cleaning is completed, the Robot vacuum will display End, Stop, and Stand by.

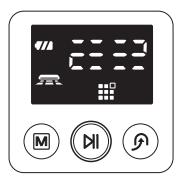
NOTE When the Robot vacuum is docked with the Charger (Station) spot cleaning is not supported.

CAUTION
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.


Normal Mode



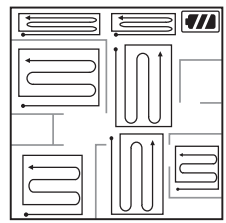
Turbo Mode


Dust Sensor Mode

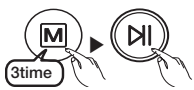
Cleaning Complete

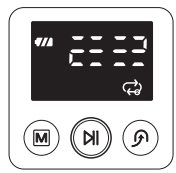
Max Cleaning

The Robot vacuum automatically moves and cleans until the battery runs out and the battery level flashes only one level.

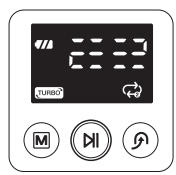


- If cleaning begins when the Robot vacuum is docked with the Charger (Station), the time to return to the charger (station) is decreased since the Robot vacuum remembers its original position while moving.
- If the Robot vacuum starts the current cleaning run at a location other than the Charger (Station) and fails to locate the Charger (Station) while cleaning, it will stop near the location where it started cleaning.
- If the battery level becomes low while cleaning, the Robot vacuum automatically returns to the Charger (Station) and resumes cleaning after charging the battery. (Number of resumed cleaning operations: Once)

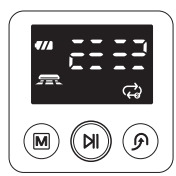
Main unit button	Remote control button	Configuration Sequence
 2 times in charging mode		**1.** Set the mode.
		2. Cancel the mode.



Normal Mode



Turbo Mode



Dust Sensor Mode

About the Resume Cleaning function

NOTE

- If the Robot vacuum judges cleaning to be complete, resume cleaning is not performed.
- If you move the Robot vacuum while it is being charged or press a button, Robot vacuum judges cleaning to be complete (cleaning is not resumed).

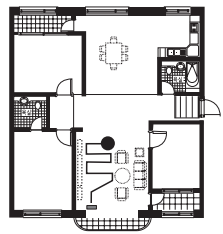
CAUTION

- Do not move the Robot vacuum while it is cleaning or press a button while cleaning. Otherwise, the Robot vacuum judges cleaning to be complete and starts cleaning again from the beginning.
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

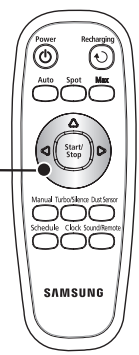
Manual Cleaning

You can move the Robot vacuum to clean a particular location directly by using the remote control.

- Move the Robot vacuum to the location where you want to perform manual cleaning.
- You can manually clean using the remote control only.



Remote control button	Configuration Sequence
	1. Set the mode.
	2. Cancel the mode.



Directional Buttons (Forwards, Left, Right)
A backwards function is not supported.

NOTE

- When the Robot vacuum is docked with the Charger (station), manual cleaning is not supported.

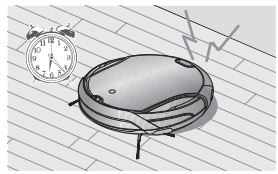
CAUTION

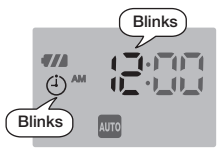
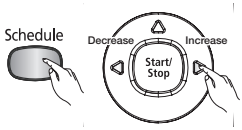
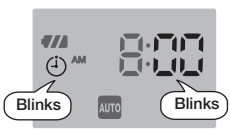
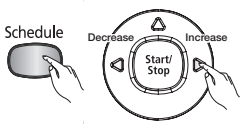
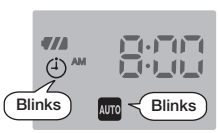
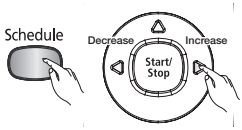
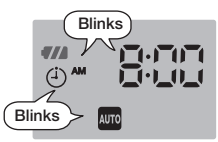
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

Timer Reservation

In this mode, you can schedule the Robot vacuum to start a once-off cleaning run from a particular time.

■ A scheduled cleaning run is only performed when the Robot vacuum is docked to the Charger (Station).

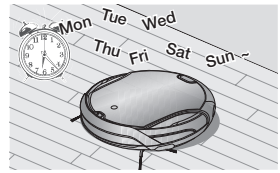


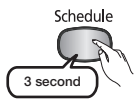
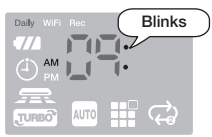
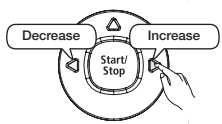
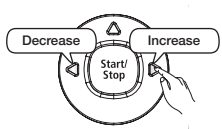
	Remote Control	Configuration Sequence
		**1.** Press the Schedule button. - The current setting is displayed and ⏲ blinks. Press the ◁ or ▷ button to set the hour. ❊ Cleaning Mode - If there is no previous reservation, the cleaning mode is set to Auto mode. If a reservation exists, cleaning mode is set to the configured mode.
		**2.** Press the Schedule button. - The time increases/decreases by 5 minutes. Press the ◁ or ▷ button to set the minutes.
		**3.** Press the Schedule button. Press the ◁ or ▷ button to set the cleaning mode. - You can select either Auto or Max cleaning mode.
		**4.** Press the Schedule button. - The value you set will blink and the settings are completed. - When the settings are completed, the configured time and ⏲ are displayed.
Canceling the Settings	- If you press the Start/Stop button while the cleaner is charging or you are setting the time, the settings are canceled. - Please take note that the settings are canceled if the cleaner is detached from the Charger (Station).	
Timeout	- If there is no input for 1 minute while you are setting the time, the cleaner exits Time Set mode automatically.	

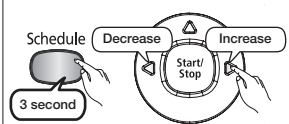
Setting Daily Cleaning

You can schedule the Robot vacuum to start cleaning everyday from a particular time.

■ Daily cleaning is only performed when the Robot vacuum is docked with the Charger (Station).



	Remote Control	Configuration Sequence
Example) The current time: 07:00 a.m. The desired cleaning start time: 09:30 a.m.		**1.** Enter Daily Cleaning mode and confirm that the configured time is correct. (Check the daily reservation time.)
		**2.** Set the “hour”.
		3. Confirm the “hour”.
		**4.** Set the “minutes”.
		5. Set the cleaning mode.

	Remote Control	Configuration Sequence
		6. Complete the settings.
Daily The icon is turned off.		**Cancel the settings.**

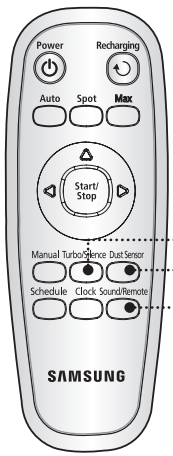
NOTE When completing the settings, and you press the (Start/Stop) button instead of the Delay/Daily button, Daily Cleaning mode is exited.

ADDITIONAL FUNCTIONS

Using additional functions

You can use the Robot Vacuum more easily and conveniently using various additional functions.

■ You can only configure the additional functions with the remote control.



Turbo Mode

Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially.

On Turbo : The power brush rotates at maximum speed.
On Silence : The power brush rotates at normal speed.

Dust Sensor Mode

Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned off or on sequentially.

Dust Sensor Mode On : In Auto cleaning mode, when the vacuum cleaner senses that dust has entered a specific area, the cleaner rotates and changes direction to clean that area, and then after cleaning that area, resumes its previous course. In Spot, Max, Manual mode, when the vacuum cleaner senses that dust has entered a specific area, the boost continues to operate for several seconds.

Dust Sensor Mode Off : The cleaner does not sense the dust entering and continues to drive as set in the selected cleaning mode.

Remote Control Function

Press the Sound/Remote button of the remote control, and the WiFi LED gets turned on, and the remote control function gets activated.

- Each time you press the button, the setting gets done in the order of release of remote control and execution of remote control.
- You can select Sound Mode in option menu of SAMSUNG Smart Home App.
- Please refer to SAMSUNG Smart Home Manual for how to use Home View.

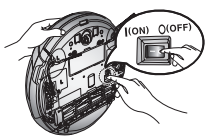
✻ **Sound fuction is supported in the SAMSUNG Smart Home App NOT supported on the remote control.**

Maintain tools and filters

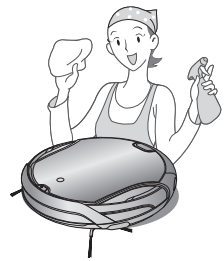
CLEANING THE ROBOT VACUUM

Please keep the cleaning and maintenance methods in mind

- When the Power Switch is damaged, please contact the service agent so that it does not cause any accidents.
- Do not use any means or mechanical devices not installed by the manufacturer that could accelerate the deformation of the Robot vacuum.



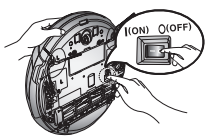
- Always turn off the power switch at the bottom of the main unit before cleaning the Robot vacuum. The Robot vacuum could operate suddenly and cause an injury.



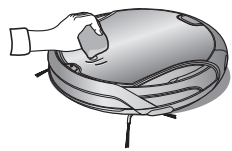
Cleaning the Sensor Window and the Camera

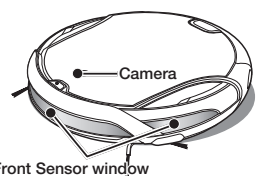
You must turn off the Power Switch at the bottom of the main unit before cleaning the Robot vacuum.

- Never spray water, thinner, benzene etc. directly onto the main unit of Robot vacuum.

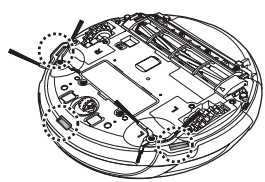


- Lightly wipe the sensor window or camera using a soft cloth.

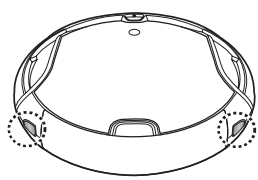




Front Sensor Window and Camera



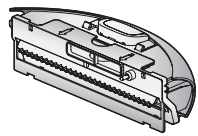
Cliff Sensor Window



Rear Sensor Window

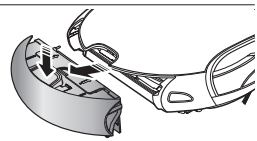
Cleaning the Dust Bin and the Filters

First, empty the dust bin before cleaning it.

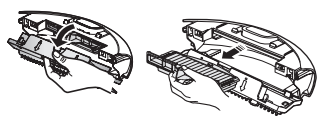


- When separating the dust bin, take care not to spill the dust out of the dust bin.
- Empty the dust bin in the following cases.
  1. When dust has accumulated inside the dust bin.
  2. When the suction power suddenly becomes weak.
  3. When the noise suddenly increases.

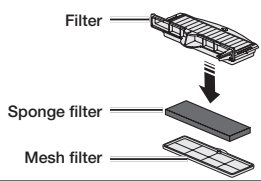
1. Press the Dust Bin Eject (PUSH) button and pull the dust bin to separate the dust bin.



2. Open the Dust Bin cover in the direction of the arrow and remove the filter.



3. Please separate the mesh filter from filter and remove the sponge filter.



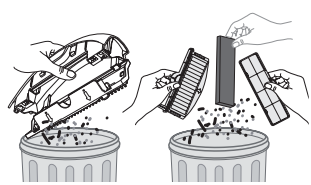
4. Clean dust from dust bin, filter, sponge and mesh filters.

❊ You can clean it with water.

After cleaning it with water :

NOTE

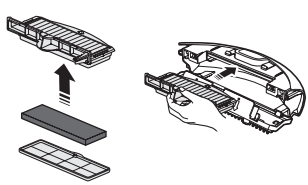
1. Dustbin : Wipe the water off completely.
2. Filter, sponge and mesh filters: Dry the filters completely in an airy place out of the sun before putting them together.



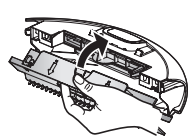
5. Please insert the sponge filter to the filter first and then put mesh filter together before putting the filters in the dust bin.

CAUTION

If the dustbin is assembled without the filter being mounted, the error code C08 occurs.
Make sure to mount the filter.



6. Close the dust bin cover and install it into the main unit.



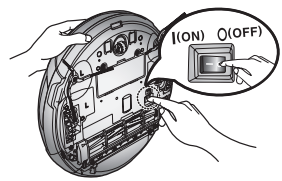
MAINTAIN TOOLS AND FILTERS

Cleaning the Power Brush

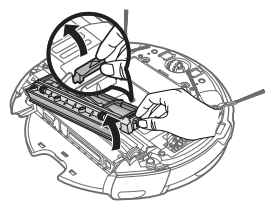
You must turn off the Power Switch at the bottom of the main unit before cleaning the Robot vacuum.

CAUTION

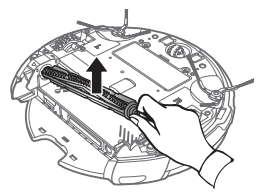
- Because the dust in the dust bin may come out, separate the dust bin first before cleaning the power brush.



1. After checking whether there are any foreign substances, press the hook that is fixing the brush cover to separate it.

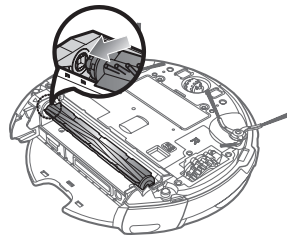


2. Lift the power brush up from the main unit.

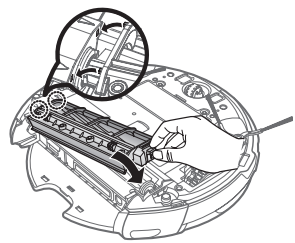


3. Remove any foreign substances such as long hairs or strings wrapped around the power brush using a cleaning brush or a vacuum cleaner.

4. After a cleaning run, first fix the side of the power brush opposite to the Power Switch and then fix the other side.



5. Insert the side into the two grooves and assemble it by slightly sliding it down until it clicks into place.

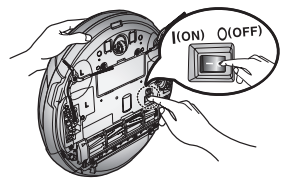


CAUTION

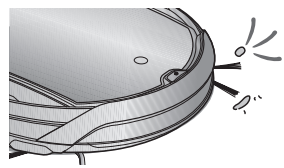
- To prevent the Robot vacuum from becoming clogged, be careful not to vacuum tooth picks or cotton swabs.
- When removing foreign substances becomes difficult, contact a customer care center.
- Because the power brush vacuums the dust on the floor, long strings or hair can become wrapped around the brush. Check and clean the power brush regularly.

Cleaning the Edge-Cleaning Side rotating Brush

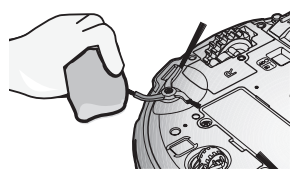
You must turn off the Power Switch at the bottom of the main unit before cleaning the Robot vacuum.



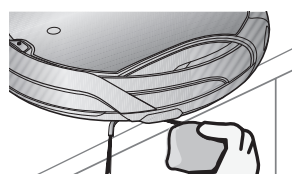
1. Check whether the side rotating brush is bent or whether there are any foreign substances stuck on the brush.



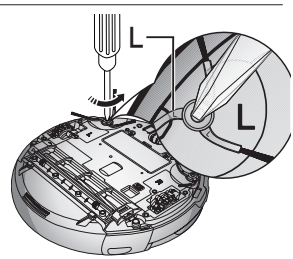
2. Wearing rubber gloves, wrap the side rotating brush with a cloth using hot water for about 10 seconds and wipe it on the cloth.



3. Turning the side rotating brush, repeat the procedures in Step 2.



4. If hair or string is wrapped between the main unit and the side rotating brush, undo the screw of the side rotating brush using a (+) driver to remove it. When reassembling the brush, check the “L” mark on the edge-cleaning side rotating brush and the “L” mark on the main unit and then reassemble the side rotating brush. (Letter “R” is carved at the right side rotating brush.)

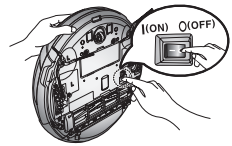


NOTE Because the side rotating brush easily attracts hair and other foreign substances, make sure to clean it frequently.
Excessive foreign substances on the side rotating brush can damage the brush.

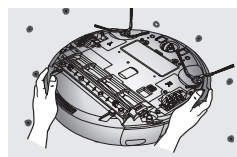
Cleaning the Driving Wheel

You must turn off the Power Switch at the bottom of the main unit before cleaning the robot.

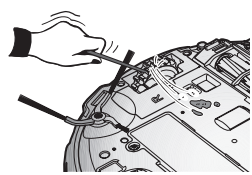
■ If the Robot vacuum suddenly starts to zigzag, there may be foreign substances stuck on the driving wheel.



1. When cleaning the driving wheel, place a soft cloth on the floor and flip the main unit, placing it down carefully.



2. Check for foreign substances and remove them using a stick or a pair of blunt nippers if necessary.



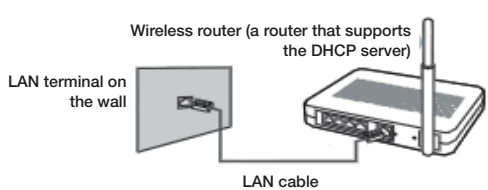
CAUTION
- The Robot Vacuum equipped with the Home View feature shall be classified as an image processing device under a personal information protection act or other similar laws.
- You shall not use it in a publicly open place or to record others without their consent.
- Whenever the Home View feature is engaged, the Rec lamp will turn on and the voice will be played to call the attention of others.

PREPARING THE NETWORK

Setting up the wireless router

- The supported types of authorization/encryption of the wireless router are WEP-OPEN, WPA-PSK/TKIP, and WPA2-PSK/AES.
  In 801.11n, WPA2-PSK/AES is recommended to be used.
- The quality of connection of the wireless network may be influenced by the surrounding wireless environment.
- When your Internet service provider has permanently registered an MAC address (a unique identification number) of your PC or modem, your vaccum Robot Vacuum may be unavailable to be connected to the Internet.
  Ask your Internet service provider about the procedure to connect an apparatus other than a PC to the Internet.
- The connection to the Internet may be impossible because of issues of firewall.
  Ask your Internet service provider for resolving the issue.
- Some wireless routers may convey an abnormal Domain Name Server (DNS) address even if the Internet is not connected.
  In this case, inquire the provider of the pertinent wireless router and your Internet service provider.
- If you still cannot connect to the Internet even after trying the procedure informed by your Internet service provider, please ask an agency or service center of Samsung Electronics.

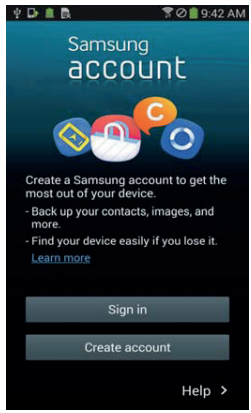
NOTE
- Please refer to the user manual of the pertinent wireless router without access problems.
- Samsung Cleaning Robots support only Wi-Fi 2.4Ghz.
- Samsung Cleaning Robots support the communication protocol of the methods of IEEE802.11b/g/n and Wi-Fi Direct. (Samsung Electronics recommends to use IEEE802.11n.)
- A wireless router with no authorization of Wi-Fi may be unavailable to be connected to the vaccum Robot Vacuum.



USING THE SAMSUNG SMART HOME APP

Creating your Samsung Account

If you want to use the Samsung Smart Home App, please register your Samsung account through Samsung Account.


9:42 AM
Samsung
account
Create a Samsung account to get the most out of your device.
- Back up your contacts, images, and more.
- Find your device easily if you lose it.
Learn more
Sign in
Create account
Help >

NOTE

- When you run the App while you are not automatically logged in to the Samsung Smart Home App, the screen of Samsung Account appears once initially.
  If you are a user of a Samsung smart phone, register your Samsung account in the settings of the smart phone, and then the automatic login gets set wihtout any separate login process, and you can use the Samsung Smart Home App immediately.

Samsung Smart Home App Download

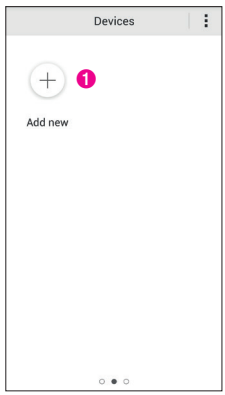
- You can download the Samsung Smart Home App by searching for “Samsung Smart Home App” at the Google Play Store, Samsung Apps, and App Store for iPhones.
- If you are an iPhone user, you can use our service through the App Store from the latter half of the year 2014.

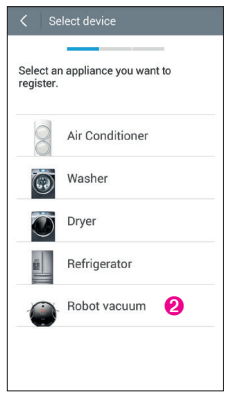
NOTE

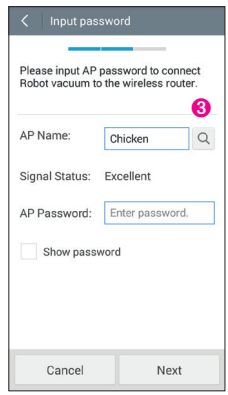
1. Samsung Smart Home apps are **compatible with selected Samsung Galaxy S and Samsung Note series devices.** (1)
   - support Android™(2) 4.0 (since Galaxy S2) or higher and iOS7 or higher
   - (1) Application must be downloaded. Internet connection required. Data changes may apply.
   - (2) Android is a trademark of Google Inc
2. Samsung Smart Home service cannot be guaranteed in the presence of firewalls.
3. Video streaming requires a uniform upload speed about 1 Mbps or more.
4. Video streaming function requires a uniform upload speed about of 1Mbps or higher more.
   - would be suitable to operate on LTE or Fibre
   - may experience interruption on ADSL2, ADSL2+, or 3G
   - cannot be serviced on ADSL

Registering the Product (Easy-Setup)

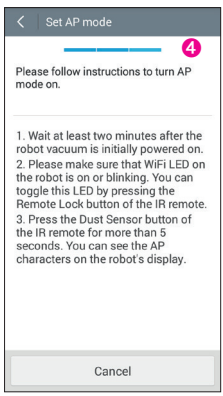
Register the product to the Samsung Smart Home Service before using the Samsung Smart Home App.

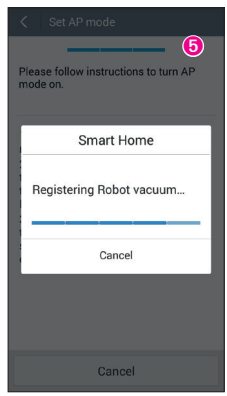






1. Press the Add Device button on the Device List screen to start the registration of the product.
2. Select the Robot Cleaner from among the product icons.
3. Enter the information of the wireless router to be connected.

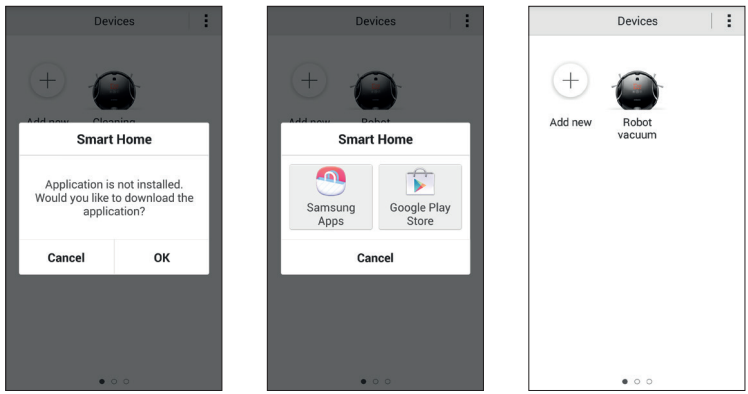

Set AP mode
4
Please follow instructions to turn AP mode on.
1. Wait at least two minutes after the robot vacuum is initially powered on.
2. Please make sure that WiFi LED on the robot is on or blinking. You can toggle this LED by pressing the Remote Lock button of the IR remote.
3. Press the Dust Sensor button of the IR remote for more than 5 seconds. You can see the AP characters on the robot's display.
Cancel



4. Set the vaccum Robot Vacuum according to the guidance on the screen.
5. Then, the registration will proceed automatically.
6. When the product registration is completed, the Main Screen of the Samsung Smart Home App will appear.

Samsung Smart Robot Vacuum App Download

You can use more diverse functions through the Samsung Smart Robot Vacuum App, which is exclusively for the vaccum Robot Vacuum.

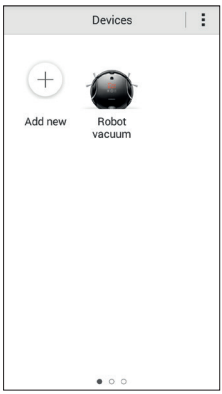


1. Select the Robot Cleaner icon on the DeviceList screen of the Samsung Smart Home App. If the Samsung Smart Robot Vacuum App is not installed, you will be moved to the Google Play Store automatically.
2. Install the Samsung Smart Robot Vacuum App.
3. If the installation is complete, select the Robot Cleaner icon again on the Device List screen of the Samsung Smart Home App.

NOTE

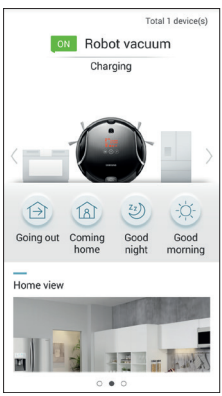
- In case of the failure, please refer to the popup message and retry the registraion procedure.

Screen Description and Major Functions



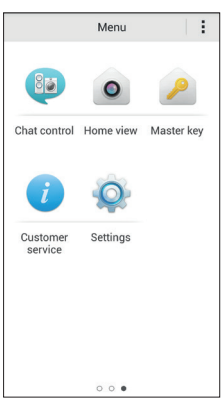
■ Device screen

- You can register smart home appliances made by Samsung Electronics on the Smart Home Service to control them altogether remotely.



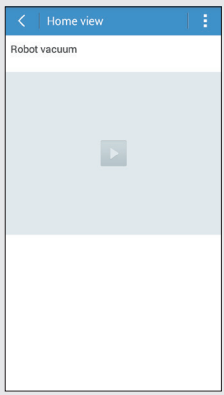
■ Main Screen

- Select the Robot Vacuum icon on the Main Screen, and you can move to the Robot Vacuum Control Screen.
- You can control your smart home appliances made by Samsung Electronics by dividing the status into going out, returning home, sleeping, and rising.
- You can look up the image of the indoors through the Home View function.



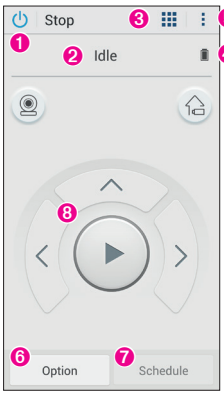
■ Menu Screen

- You can control the smart home appliances made by Samsung Electronics with five menus.

Chat Control	• You can control the smart home appliances or look up the status of them conveniently.
Home View 	• You can check the image of the indoors even when you are outside with the camera built in the smart home appliances. - You can look up the images of the indoors using the Home View function. - You can connect the Home View function through the icons on the Main Screen and the Menu Screen.
Master Key	• You can simultaneously control several home appliances through the Master Key composed of going out, returning home, sleeping, and rising.
Customer Service	• You can check the manual of the product. Also, when a product disorder occurs, you can consult with our Customer Center and request for an after-sales service.

Controlling Robot Vacuum

- Access the Samsung Smart Robot Vacuum App, and the Basic Control Screen will appear.

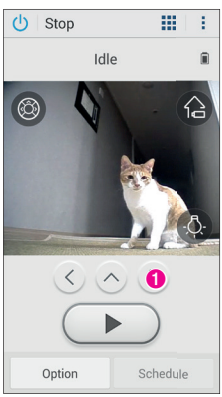


NOTE

- The unique functions of the product that you can use on the Basic Control Screen are as follows.

1. Power supply control
2. Display of cleaning mode and current status (including errors)
3. Cleaning mode (automatic cleaning, partial cleaning, repeated cleaning, manual cleaning)
4. Setting (voice selection, device information)
5. Services for Users (FAQ, manual, Help Desk)
6. Options (Dust Sensor, Turbo)
7. Reservation (reserved cleaning, daily reservation)
8. Directions control (charge return, forward movement, left turn, right turn, start/stop) and image lookup

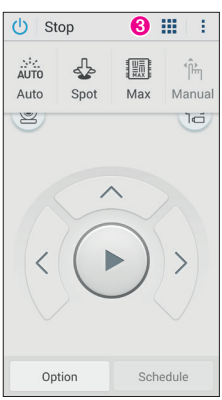
- Click on the Image Lookup button, and the Image Control Screen will appear.

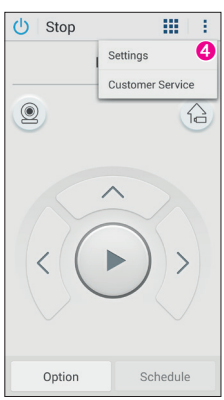


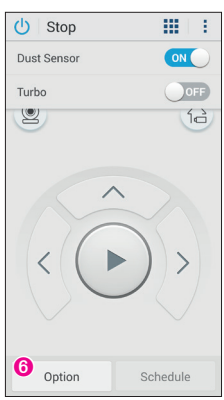
NOTE

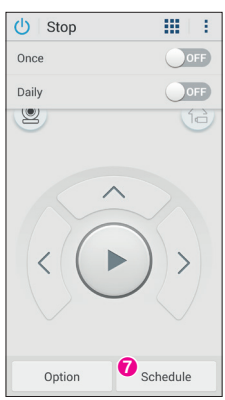
- The unique function of the product you can use additionally on the Image Control Screen is as follow:

1. Lighting control









- A scheduled cleaning run is only performed when the Robot vacuum is docked to the Charger (Station).

MATTERS TO CHECK BEFORE REPORTING DISORDER

Please check the following matters before you call our Service Center because of a product disorder.

Matters to Check	Measure to Take
• I have installed the Samsung Smart Home App, but, the Robot Vacuum fails to be connected.	• You can use the product after connecting the wireless router and the Robot Vacuum through Easy-Setup according to the procedure.
• I fail to log into the Samsung Account.	• Check your ID and password on the screen of the Samsung Account.
• There appears a message saying there is a failure during Easy-Setup.	• You may have failed temporarily due to the distance from the wireless router or other obstacles. Please try again after a while.
• The products do not work even though the smart phone is normally connected to the Robot Vacuum.	• Turn off the Samsung Smart Home App and then run it again, or disconnect the smart phone from the wireless router and then connect it again. Or turn off the power supply of the Robot Vacuum, turn it on, wait for a minute or longer, and then run the Smart Home App again.
• The functions of the Samsung Smart Home App do not work.	• Check if the remote control blocking function of the Robot Vacuum is set. (If the WiFi LED is turned off, the remote control is blocked.)
• The Samsung Smart Robot Vacuum App fails to get started.	• Check if the Robot Vacuum is connected to the wireless router. (If the WiFi LED is turned off, the remote control is blocked.)

REMARKS AND RECOMMENDATIONS

Video Streaming

The video streaming feature requires an upload speed around 1Mbps or more. To ensure the non-interrupted service, you can allocate enough bandwidth to Robot Vacuum's IP if your wireless router supports Quality of Service settings. Please refer to an advanced setting section of the user manual for your wireless router. It is important to note that many factors can affect speeds including volume of internet traffics, your equipment, location, etc.

Wi-Fi Range Extension

You can install any additional wireless router (repeater or extender) to extend the range of your existing Wi-Fi network for Robot Vacuum. However, both routers should use the same SSID, password, authentication, and encryption. A certain wireless repeater can be automatically configured using the same options as the main router by default. If not, please make sure that your candidate device provides settings to freely configure those options. We recommend a simple wireless repeater that doesn't have a DHCP server feature or a MAC address alteration feature. The transition time between adjacent wireless networks will be around 1 to 2 minutes.

Firewalls

Please note that some routers come with a built-in firewall. Under firewall environments, you will experience slow-down in your connection or even encounter failure to connect the streaming service of Robot Vacuum. If you want to enhance the performance in such cases, you can disable the firewall at your own risk.

Data Usage

If you don't have an unlimited data plan, you should carefully monitor the usage while using the streaming service of Robot Vacuum. It consumes around 1Gbyte of your data if you stream 10 minutes per day for a month.

Automatic Return

In idle mode, the Robot Vacuum will automatically go back to the charger unless any command is executed for more than 15 minutes or the video streaming is progressed.

Software Update

When you reset the Robot Vacuum and keep it connected to the charger, it will check to see if any firmware update is available. If there is an update available, it will be automatically downloaded and updated. Please note that the emergency switch is located on the bottom side of the cleaning robot.

Troubleshooting

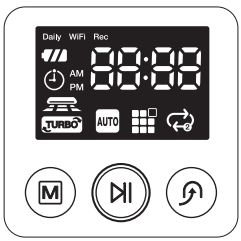
CHECKLIST BEFORE SVC CALLS

Symptom	Checklist	Measure to Take
Robot vacuum does not operate at all before cleaning.	• Is the dust bin assembled?	• Install the dust bin.
	• Is the Power Switch turned on?	• Turn on the Power Switch.
	• Is cleaning mode AUTO in the display panel turned on?	• Press the ⏯ button. (To turn it off, press and hold the ⏯ button down for 3 seconds or longer.)
	• Is the battery level flashing only one level and is 'Lo' displayed in the display panel?	• Lift up the Robot vacuum, and manually dock the Robot vacuum onto the Charger (Station) to charge it.
	• Robot vacuum will not operate when the battery in the remote control is depleted.	• Replace the batteries in the remote control. (AAA type)
Robot vacuum stopped operating while cleaning.	• Is the battery level flashing only one level and is 'Lo' displayed in the display panel?	• Lift up the Robot vacuum, manually dock the robot onto the Charger (Station) to charge it.
	• Has the Robot vacuum become hooked on wires on the floor?	• Turn off the Power Switch and remove the wires.
	• Is the Robot vacuum stuck to the floor where there is a height difference? - The driving wheel is lifted.	• Turn off the Power Switch and move the Robot Vacuum vacuum to another place to clean.
	• Is there a thin towel (cloth) wrapped around the driving wheel?	• Turn off the Power Switch and remove the thin towel.
	• Is the Robot vacuum stuck on the doorsill?	• Turn off the Power Switch and move the Robot vacuum to another place to clean.
The suction power is weak while cleaning.	• Check whether the dust bin is full of dust.	• Stop the Robot vacuum and empty the dust bin.
	• Check whether the suction inlet is clogged by foreign substances.	• Turn off the Power Switch and remove the foreign substances on the suction inlet.
	• Check whether the filter is clogged.	• Clean the filter well.

Symptom	Checklist	Measure to Take
Robot vacuum cannot find the Charger (Station).	• Check whether the power plug of the Charger (Station) is plugged correctly into the outlet.	
	• If there are any obstacles within a range of about 1m in front of the Charger (Station) and about 0.5m range to the left and right of the Charger (Station), you should remove the obstacles.	
	• If there are any foreign substances on the change pin, wipe them off with a dry towel.	
	• Is the VIRTUAL GUARD installed near the Charger (Station)?	• Move the VIRTUAL GUARD to another place so that the Robot vacuum can charge automatically.
Robot vacuum passes through the VIRTUAL GUARD.	• Are the batteries of the VIRTUAL GUARD worn out?	• Replace the batteries. (2 type D (LR20) batteries)
	• Is the lamp turned off?	• Check if the VIRTUAL GUARD is turned off and then turn the VIRTUAL GUARD on.
The battery usage time of the VIRTUAL GUARD is too short.	• Are you using manganese drycell batteries?	• Replace the batteries with new batteries. (2 type D (LR20) batteries)
The Robot vacuum suddenly performs its cleaning operation in the diagonal direction.	• The Robot vacuum may clean in a diagonal direction in the following cases. - After the Robot vacuum has been charged while placed at an angle in the Charger (Station). - When the Robot vacuum moves to another area by a shortened route after cleaning an area. - When the angle of making contact with an obstacle is not perpendicular (90°). - When the floor is made of tiles or wood.	• The cleaning direction is determined by the initial location. Since it cleans areas by drawing a map, it eventually covers the entire area. (Normal operation) Install the charging station in the direction of the grain of the wood, and start cleaning while the Robot vacuum is docked with the Charger (Station).

❉ In 52 page, there are additional troubleshooting for SAMSUNG Smart Home.

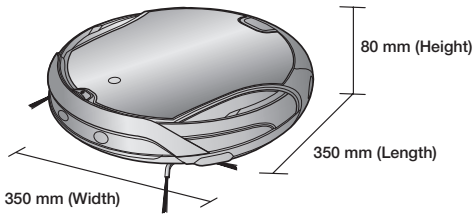
TROUBLESHOOTING FOR ERROR CODES

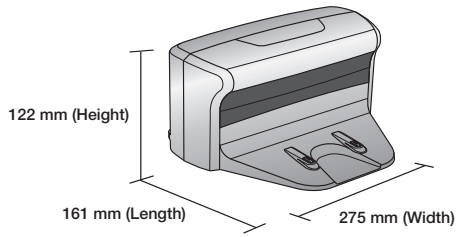


ERROR CODE	CAUSE	SOLUTION
E 00	• Robotic vacuum cleaner is caught, stuck or trapped while navigating.	• Turn off the Power Switch at the bottom and move the robotic vacuum cleaner to a different location.
E 01	• A foreign substance (string, paper, toy etc.) is caught in the power brush.	• Turn off the Power Switch at the bottom and remove the foreign substance from the power brush.
E 02	• A foreign substance (string, paper, toy etc.) is caught in the left driving wheel.	• Turn off the Power Switch at the bottom and remove the foreign substance from the left driving wheel.
E 03	• A foreign substance (string, paper, toy etc.) is caught in the right driving wheel.	• Turn off the Power Switch at the bottom and remove the foreign substance from the right driving wheel.
E 05	• Check the Bumper sensor.	• Turn off the at the bottom, and then remove the obstacle from the front of the Robot vacuum or move it to a different location.
E 06	• A foreign substance (dust, stain etc.) is on the Obstacle sensor window.	• Turn off the Power Switch at the bottom and wipe the foreign substance from the front and rear sensor windows using a soft cloth.
E 07	• A foreign substance (Dust, stain etc.) is on the Cliff sensor window.	• Turn off the Power Switch at the bottom and wipe the foreign substance on the cilff sensor window with a soft cloth.
E 08	• Dust bin not inserted.	• Insert the dust bin until you hear a “Click” sound.
E 09	• A foreign substance (String, cloth etc.) is caught on the edge-cleaning side rotating brush.	• Turn off the Power Switch at the bottom and wipe the foreign substance from the edge-cleaning side rotating brush.

❉ If you press the Start/Stop button or turn off the Power Switch, the error code is cleared.

Product specification





Main Body	Charger(Station)

Classification	Item	SR89W0 SERIES
Mechanical Specifications	Diameter	350mm
	Height	80mm
	Weight	3.2kg
Electrical Specifications	Power voltage	AC220-240V~, 50-60Hz
	Charge power consumption	40 W
	Main unit power consumption	40 W
	Battery specifications	14.4V / 31.68Wh
Cleaning Specifications	Charging type	Auto Charging/Manual Charging
	Cleaning mode	Auto, Spot, Max, Manual, Timer, Daily
	Charging time	About 180 minutes
	Cleaning time (Normal Mode / On the basis of hard floor)	About 90 minutes
Cleaning method		Ceiling shape recognition
Main unit button type		Touch type

OPEN SOURCE ANNOUNCEMENT

The software included in this product contains open source software.
You may obtain the complete corresponding source code for a period of three years after the last shipment of this product by sending an email to **mailto:oss.request@samsung.com.**

It is also possible to obtain the complete corresponding source code in a physical medium such as a CD-ROM; a minimal charge will be required.

The following URL **http://opensource.samsung.com/opensource/VCR_Maxview/seq/0** leads to the download page of the source code made available and open source license information as related to this product. This offer is valid to anyone in receipt of this information.

Memo

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